

Lupus Anticoagulant Profile #83092

USEFUL FOR: Confirming or excluding presence of a lupus-like anticoagulant (LAC).
 Distinguishing an LAC from specific coagulation factor inhibitors and nonspecific inhibitors.
 Investigation of a prolonged activated thromboplastin time (APTT), especially when combined with other coagulation studies.

NOTE: This profile will take the place of #552 Coagulation Consultation, Lupus-Like Anticoagulant (LA), Plasma which will become obsolete on January 26, 2011.

Profile Information:

Unit Code	Reporting Name	Available Separately	Always Performed
6599	Prothrombin Time (PT), P	Yes (order #9236)	Yes
6548	Activated Partial Thrombopl Time, B	Yes (order #9058)	Yes
80340	Dilute Russells Viper Venom Time, P	No	Yes
82539	Special Coagulation Interpretation	No	Yes

Reflex Tests:

Unit Code	Reporting Name	Available Separately	Always Performed
9053	PT Mix 1:1	No	No
9118	APTT Mix 1:1	No	No
8866	Platelet Neutralization Procedure	No	No
9078	Reptilase Time, P	No	No
21557	DRVVT Mix and Confirmation	No	No
9121	Coag Factor II Assay, P	Yes	No
9054	Coag Factor V Assay, P	Yes	No
9055	Coag Factor VII Assay, P	Yes	No
9070	Coag Factor VIII Activity Assay, P	Yes	No
9065	Coag Factor IX Assay, P	Yes	No
9066	Coag Factor X Assay, P	Yes	No
9067	Coag Factor XI Assay, P	Yes	No
9069	Coag Factor XII Assay, P	Yes	No
82756	Staclot LA, P	No	No
80343	Fibrinogen, P	Yes (order #8484)	No
6625	D-Dimer, P	Yes (order #9290)	No
9059	Thrombin Time (Bovine), P	Yes	No
6600	Soluble Fibrin Monomer	No	No
7289	Coag Factor VIII Assay Inhib Scrn, P	No	No
7288	Bethesda titer	No	No

METHOD:

6599, 9053, 6548, 9053, 80340, 9059, 9078, 21557 Clot-Based Assay
 6625: Automated Latex Immunoassay (LIA)
 80343: Clauss Methodology
 9121, 9054, 9055, 9066 Prothrombin Clot-Based Assay
 9070, 9065, 9067, 9069, 7289, 7288 Activated Partial Thromboplastin Clot-Based Assay
 8866: Activated Partial Thromboplastin Time (APTT) Mixing Test
 6600: Slide agglutination

REFERENCE VALUES: Prothrombin time: 10.3 – 12.8 seconds

Activated partial thromboplastin time: Adults: 26 -36 seconds

The normal full-term newborn APTT may be up to 35% longer than in adults and even longer (up to twice the adult upper limit) in healthy premature infants. Typically, the APTT is in the adult reference range by age 3 months in healthy full-term infants and by age 6 months in healthy premature infants (30-60 weeks gestation)* 21-33 (>3-6 months)

Dilute Russell's Viper Venom time: <1.2

SPECIMEN REQUIREMENTS: Draw blood in a light blue-top (citrate) tube(s). Spin down, remove plasma, spin plasma again, and place 5 mL of platelet- poor plasma into 5 plastic, screw-capped vials each containing 1 mL. (Glass vial is not acceptable.) Freeze specimens immediately at <= -40 degrees C, if possible.

CAUTIONS: This test is not useful for the detection of antiphospholipid antibodies that do not affect coagulation tests. We recommend separate testing for serum phospholipid (cardiolipin) antibodies.

Patient should not be receiving Coumadin or heparin. If the patient is currently on warfarin or heparin, this should be noted, treatment with heparin causes false-positive results of in vitro coagulation testing for LA. Coumadin treatment may impair ability to detect the more subtle varieties of lupus-like anticoagulants.

LIST FEE: \$325.30

The following test(s) may be added per the testing algorithm:

\$77.40 for #9053 "PT Mix 1:1"

\$77.40 for #9118 "APTT Mix 1:1"

\$91.90 for #8866 "Platelet Neutralization Procedure"

\$152.50 for #21557 "DRVVT Mix and Confirmation"

\$53.90 for #9078 "Reptilase time"

\$237.60 for #9121 "Coag Factor II"

\$237.60 for #9054 "Coag Factor V"

\$237.60 for #9055 "Coag Factor VII"

\$237.60 for #9070 "Coag Factor VIII Activity"

\$237.60 for #9065 "Coag Factor IX"

\$237.60 for #9066 "Coag Factor X"

\$237.60 for #9067 "Coag Factor XI"

\$237.60 for #9069 "Coag Factor XII"

\$225.50 for #82756 “Staclot LA”
\$77.20 for #80343 “Fibrinogen”
\$123.10 for #6625 “D-Dimer”
\$53.90 for #9059 “Thrombin time”
\$123.70 for #7288 “Bethesda titer”
\$258.50 for #7289 “Coag Factor VIII Inhibitor screen”
\$160.00 for #6600 “Soluble Fibrin Monomer”

CPT CODES:

85610-PT
85613-DRVVT
85730-APTT
85390-Clinical pathology consultation
85613-DRVVT mix/confirm
85210-Factor II (if appropriate)
85220-Factor V (if appropriate)
85230-Factor VII (if appropriate)
85240-Factor VIII (if appropriate)
85250-Factor IX (if appropriate)
85260-Factor X (if appropriate)
85270-Factor XI (if appropriate)
85280-Factor XII (if appropriate)
85335-Bethesda Units (if appropriate)
85335-Factor VIII inhibitor screen (if appropriate)
85379-D-dimer (if appropriate)
85384-Fibrinogen (if appropriate)
85597-Platelet neutralization for lupus inhibitor (if appropriate)
85598-Staclot LA (if appropriate)
85611-PT mix 1:1 (if appropriate)
85635-Reptilase time (if appropriate)
85670-Thrombin time (if appropriate)
85732-APTT mix 1:1 (if appropriate)
85366- Soluble Fibrin Monomer (if appropriate)

ANALYTIC TIME: 2 days**DAY(S) SET-UP:** Monday through Friday

QUESTIONS: Contact your Mayo Medical Laboratories’ Regional Manager
Kim J. Baker, Mayo Medical Laboratories’ Technologist Support
Telephone: 800-533-1710